

MOX-CMCT SERIES



MoxiE
INDUCTOR CORPORATION

THRU-HOLE COMMON MODE CHOKES

MoxiE's MOX-CMCT series of common mode chokes offer excellent mechanical strength, high reliability and low resistance.

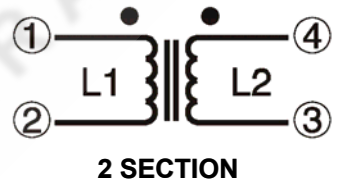
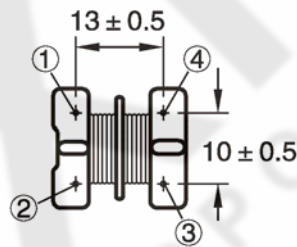
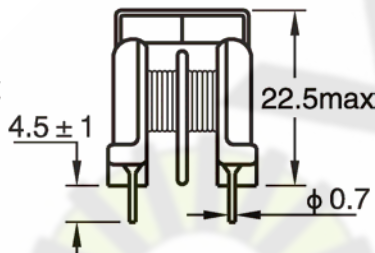
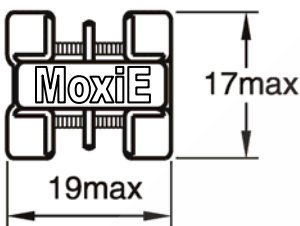
FEATURES:

- Low cost.
- Operating temperature: -40°C to $+105^{\circ}\text{C}$.
- Storage temperature: -40°C to $+125^{\circ}\text{C}$.
- RoHS compliant.
- 100KHz to 3MHz common mode resonance.
- 0.7mH to 100mH dual chokes.
- High reliability & variant PCB-mount housing.
- Low resistance & temperature rise.
- MoxiE custom designs available.

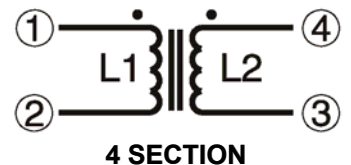
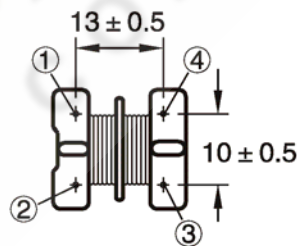
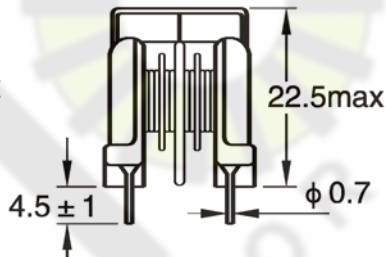
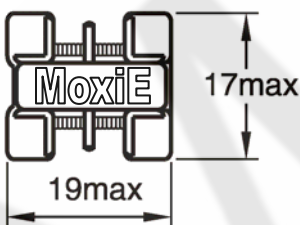


MECHANICAL DIMENSIONS

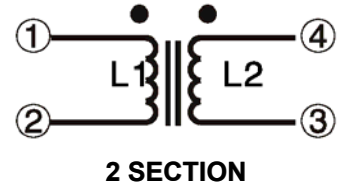
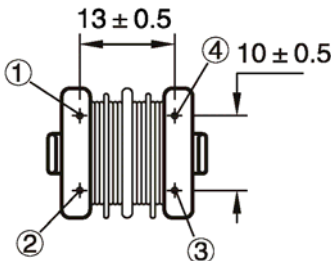
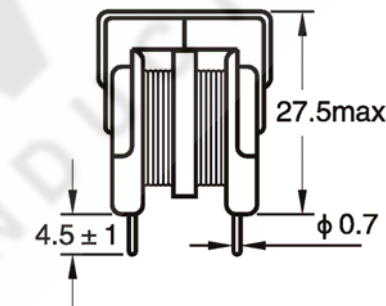
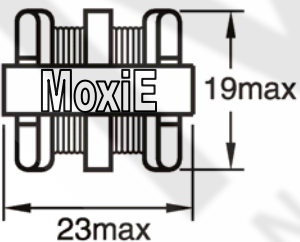
MOX-CMCT-1917-2 SERIES



MOX-CMCT-1917-4 SERIES



MOX-CMCT-2319-2 SERIES

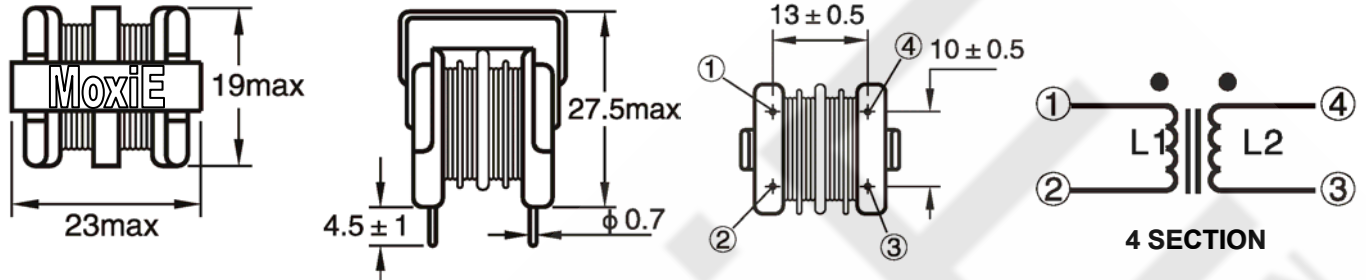


MOXIE NOTE:
ALL DIMENSIONS IN MM

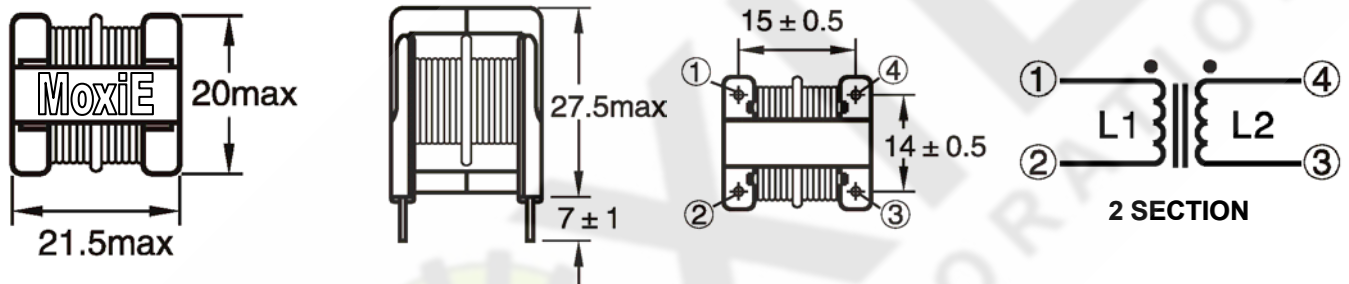


MECHANICAL DIMENSIONS (CONTINUED)

MOX-CMCT-2319-4 SERIES



MOX-CMCT-2120-2 SERIES



ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Inductance (mH)	Inductance Tolerance (μH) Max.	DCR (mΩ) Max.	IDC (A) Max.	MoxiE Part Number	Inductance (mH)	Inductance Tolerance (μH) Max.	DCR (mΩ) Max.	IDC (A) Max.
MOX-CMCT-2319-1R0	1.0	60	0.4	1.0	MOX-CMCT-1917-3R0	3.0	150	1.20	0.5
MOX-CMCT-2319-1R8	1.8	80	0.6	0.8	MOX-CMCT-1917-5R0	5.0	200	2.0	0.3
MOX-CMCT-2319-2R5	2.5	80	0.6	0.8	MOX-CMCT-1917-7R5	7.5	100	2.0	0.4
MOX-CMCT-2319-4R0	4.0	100	0.7	0.8	MOX-CMCT-1917-100	10.0	300	2.00	0.3
MOX-CMCT-2319-6R0	6.0	100	0.8	0.8	MOX-CMCT-2120-1R0	1.0	50	0.03	5.0
MOX-CMCT-2319-7R9	7.9	100	0.8	0.8	MOX-CMCT-2120-1R5	1.5	50	0.06	4.0
MOX-CMCT-2319-100	10.0	140	0.8	0.8	MOX-CMCT-2120-3R0	3.0	60	0.1	3.0
MOX-CMCT-2319-140	14.0	140	1.0	0.5	MOX-CMCT-2120-5R0	5.0	80	0.15	3.0
MOX-CMCT-2319-200	20.0	160	1.2	0.5	MOX-CMCT-2120-7R5	7.5	100	0.2	2.0
MOX-CMCT-2319-250	25.0	160	1.2	0.5	MOX-CMCT-2120-100	10.0	120	0.25	2.0
MOX-CMCT-2319-320	32.0	200	2.0	0.5	MOX-CMCT-2120-120	12.0	150	0.4	1.0
MOX-CMCT-2319-450	45.0	200	2.5	0.5	MOX-CMCT-2120-160	16.0	180	0.5	1.0
MOX-CMCT-1917-R60	0.6	50	0.12	2.0	MOX-CMCT-2120-200	20.0	200	0.7	0.9
MOX-CMCT-1917-R80	0.8	50	0.20	1.5	MOX-CMCT-2120-250	25.0	230	1.2	0.8
MOX-CMCT-1917-1R0	1.0	50	0.14	1.6	MOX-CMCT-2120-350	35.0	260	2.0	0.5
MOX-CMCT-1917-2R0	2.0	100	0.40	1.0	MOX-CMCT-2120-500	50.0	300	3.0	0.3



ENGINEERING NOTES

- Maximum operating voltage: 250V @ 40°C.
- IDC Maximum: Rating AC/DC current A @ 40°C.
- Temperature rise maximum: 40°C.
- Insulation resistance: 100mΩ minimum DC 500V
- MoxiE Inductor Corporation specifications are subject to change without notice.